any other dissociated magnesium, an Mg:SiO2 mass ratio of between about 1:15 to 7 8 about 1:2, and wherein at least 25% of the silicates have a molecular weight of at 9 least 10,000 Daltons. 9. 1 (Amended) An aqueous composition for use in a brightening stage of pulps comprising: 2 Chen full pulp containing less than 18% lignin: 3 4 an aqueous solution of sodium silicate; an alkali agent added in an amount sufficient to maintain the pH at 5 6 least about 8; and 7 a magnesium compound which dissociates in said solution to form Mg(OH)+ cations, wherein said magnesium compound is added in an amount to 8 achieve, along with any other dissociated magnesium, an Mg:SiO2 mass ratio of 9 10 between about 1:15 to about 1:2, and wherein at least 25% of the silicates have a molecular weight of at least 10,000 Daltons. 11 20. (Amended) A method for brightening pulp comprising the 1 2 steps of: mixing pulp containing less than 18% lignin with hydrogen peroxide. 3 - ng 504.7/20 an aqueous solution of sodium silicate; an alkali agent added in an amount sufficient 4 to maintain the pH of said solution at least about 8; and a magnesium compound 5 which dissociates in said solution to form Mg(OH)⁺ cations, wherein said 6 magnesium compound is added in an amount to achieve, along with any other 7 dissociated magnesium, an Mg:SiO2 mass ratio of between about 1:15 to about 1:2, 8 to form a mixture, and wherein at least 25% of the silicates have a molecular 9 weight of at least 10,000 Daltons; and 10 11 heating said mixture to allow said mixture to react to cause a portion of said lignin to degrade. 12